

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/002,600

DATE: 12/13/2001

TIME: 09:02:45

Input Set : A:\PA0042USSEQLIST.txt

Output Set: N:\CRF3\12132001\I002600.raw

P.5

1 <110> APPLICANT: Hopkins, Christopher M.  
2 Peterson, David P.  
3 Cocks, Benjamin G.  
4 Hawkins, Phillip R.  
6 <120> TITLE OF INVENTION: GENES REGULATED IN ACTIVATED T CELLS  
8 <130> FILE REFERENCE: PA-0042 US  
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/002,600  
C--> 11 <141> CURRENT FILING DATE: 2001-10-25  
13 <150> PRIOR APPLICATION NUMBER: 60/243,521  
14 <151> PRIOR FILING DATE: 2000-10-25  
16 <160> NUMBER OF SEQ ID NOS: 116  
17 <170> SOFTWARE: PERL Program  
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21 <212> TYPE: DNA  
22 <213> ORGANISM: Homo sapiens  
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25 <221> NAME/KEY: misc\_feature  
26 <223> OTHER INFORMATION: Template ID: 199772.6  
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31 gtcaccccat gtgaccgctg gtgcggggcc ctctctgggc tggggctctc ctctaggcca 180  
32 aaactcacc ctcctcctcc ccgcagatc ttgcggggcc tgggtgtggat cctggtggcc 240  
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38 gcggtgttct ctttaaatcag atggaagtct tcataaagcc gcagtagaac ttgagctgaa 600  
39 aaccagatg gtgttaactg gccgccccac tttccggcat aacttttttag aaaacagaaa 660  
40 tgcccttgat ggtggaaaaa agaaaacaac cccccccca ctgcccacaa aaaaaagccc 720  
41 tgccctgttg ctctgggtg ctgtgtttac tctcccggtg gccttcgcgt ccgggttggg 780  
42 agcttgctgt gtctaacctc caactgctgt gctgtctgct agggtcacct cctgtttgtg 840  
43 aaaggggacc ttcttgttcg ggggtgggaa gtggcgaccg tgacctgaga aggaaagaaa 900  
44 gatcctctgc tgaccctgg agcagctctc gagaactacc tgttggtatt gtccacaagc 960  
45 tctcccgagc gcccatctt gtgccatgtt ttaagtcttc atggatgttc tgcattgtcat 1020  
46 ggggactaaa actcacccaa cagatcttcc cagaggtcca tgggtggaaga cgataaccct 1080  
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54 ctttgttccc attgtgtgga taatacatca ttttagaatt tcttcgggcc actccatagg 1560  
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ENTERED

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Input Set : A:\PA0042USSEQLIST.txt

Output Set : N:\CRF3\12132001\I002600.raw

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58 aagttagtgcc cattccagag atgggacgct ggaagagggtg cttgaagacc cgtgagcttc 1800
59 ctgccatgga ggtgtgtggt agagcatctg caacctcttg ctggcagcca tggggacaaa 1860
60 gattcaagct tcaggctgta acgggtgtcat gtacctgtg 1899
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68 <221> NAME/KEY: misc_feature
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74 agaagaagct gtacagctcg gaacagctgc tcattgagga gtgttgaact tcaacctgag 180
75 ggggccgaca gtgccctcca agacagagac gactgaactt ttgggggtgga gactagaggc 240
76 aggagctgag ggactgattc ctgtgggttg aaaactgagg cagccaccta aggtggaggt 300
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87 ctagaactgt ttacatgaag ataagatact cactgttcat gaatacactt gatgttcaag 960
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105 ttgggtgtat tgtgcaaata tttctatat gtgccatgat cggaataatc ttgggaaact 300
106 tggcttagca aatttaaatc tcaggggcctt ttaagatggg aactcagtaa agtttccttg 360
107 atagaaatth gcaataagat ttactaggaa tgcttcaagt attagctctg tgctgtaatt 420
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Input Set : A:\PA0042USSEQLIST.txt

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113 actttctccc cactcaccoc caacctccag agtgtgtttt ccaagtaaaa ttttaggcca 780
114 tagagaaatt cgcaattgat aggccaaggt gactgataaa actctagagg tcaggattgg 840
115 taatagtgga gcgaggacca gatggaattt ttgtttaata ctgtatctga aattgaggat 900
116 gggatagata ggaaatgacc tatcatttca tgaggagatg acttttctgt gataatggga 960
117 cagagatgag cttagatgaa tgaatatata ttttagcact tacctttttc cataaaacac 1020
118 aaatagactt ggtgcaaaat taccagtctc actccatggt atttctgatg agatcggtaa 1080
119 ataatagaga gagacatact tctttaggag ctagtctgact ttaacatatg ctggagtaca 1140
120 attgacttac aactatttgg cgttagaagt gatttttcta gggcttgggtg ggggaaaaat 1200
121 actcgtgaaa tacctgcctt gacttaaaact tcaacataat ttaaaagtcac tttattatcc 1260
122 cacaaactcag aatgtcttca attaaaggta agaaaataag gtgatgggct acagtggctt 1320
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Input Set : A:\PA0042USSEQLIST.txt

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161 atacaaagac acataggaca ttaaaccatgt tatagttttg ttgcttgtct ttttcatttg 3660
162 agtaagatat tctatgccct tgtatttggt acttccttgt acttgtggcc caataggcct 3720
163 gaaaaattcc aaggcactac tgggacagcc aatgaagaag gatcaagatt gacaaaaatg 3780
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167 <211> LENGTH: 3531
168 <212> TYPE: DNA
169 <213> ORGANISM: Homo sapiens
171 <220> FEATURE:
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173 <223> OTHER INFORMATION: Template ID: 197902.12
175 <400> SEQUENCE: 4
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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/002,600

DATE: 12/13/2001

TIME: 09:02:45

Input Set : A:\PA0042USSEQLIST.txt

Output Set: N:\CRF3\12132001\I002600.raw

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214 ggtcagtggt ccccaaaaag ggacttctgc cgcattggcc attcttcttc tcttctcttt 2340
215 agtgatggca gcagtaggtg gctacttgat gtggcggaat tggcaacaca agaactgaa 2400
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217 cattggtaga cacagtgtct ctgttggaac cacgtaccca gcaatatcag ttgtaagcac 2520
218 agatgatgat ctactgtgac ttctgtgaca aatgttgacc tttgaggtct aaacaaataa 2580
219 taccocctgc ggaatggtaa ccgagccagc agctgaagtc tctttttctt cctctcggct 2640
220 ggaagaacat caagatacct ttgctgtgat caagcttggt tacttgaccg tttttatatt 2700
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228 aagtgtctaa aaattaaacc aagcagctta accatgggtt gtgcctgttc ctctaggatg 3180
229 aactcctatc ctgagtagta ccaagtgttc taactaaatg tgtgagctgt agttcttgat 3240
230 gttgtataac taagcctgta attgggctgg tttctcttac accctagcac agttaaaaaa 3300
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232 agtctgtacc tagaatctct cttgggtaga ggagtgagtt tctttttttt ccattaactt 3420
233 gtttctctgat cgagaaacac gtgctaagat ttctatgaat tctgcttctt tatagttaag 3480
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236 &lt;210&gt; SEQ ID NO: 5

237 &lt;211&gt; LENGTH: 3622

238 &lt;212&gt; TYPE: DNA

239 &lt;213&gt; ORGANISM: Homo sapiens

241 &lt;220&gt; FEATURE:

242 &lt;221&gt; NAME/KEY: misc\_feature

243 &lt;223&gt; OTHER INFORMATION: Template ID: 197902.13

245 &lt;220&gt; FEATURE:

246 &lt;221&gt; NAME/KEY: unsure

247 &lt;222&gt; LOCATION: 107

248 &lt;223&gt; OTHER INFORMATION: a, t, c, g, or other

250 &lt;400&gt; SEQUENCE: 5

WKS

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252 tgctctcggc tccccacccc ctctcccttc cctctctctc ccttgctctc cctctctctg 120
253 agcgctgca ttattttctg ccgcagggct cggcttgca tgcgtctgca gcccggggag 180
254 gtgctgggt gggtggggag gagactgtgc aagtgtaggg gaggggggtg cctctctctc 240
255 ccgctccct tccccagcca agtggttccc ctctctcttc ccttttcccc tccccagccc 300
256 cacttcttc ctctttctgg aagggttgtt aacttggtgt gcggagcgaa cggcgggcgc 360
257 ggcggcacca tccaggcggg caccatgggc acgtccgcgc tctgggcgct ctggctgctg 420
258 ctgcgctgt gctgggcgcc ccgggagagc ggccgacccg gaaccgggag aaaagccaaa 480
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261 gctgaatctg acttctgtgt caacaatggc cagtgtgttc ccagccgatg gaagtgtgat 660
262 ggagatcctg actgcgaaga tggttcagat gaaagccag aacagtgcc tatgagaaca 720
263 tgccgcatac atgaaatcag ctgtggcgcc cattctactc agtgtatccc agtgtctctg 780
264 agatgtgatg gtgaaaatga ttgtgacagt ggagaagatg aagaaaactg tggcaatata 840

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Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to insure a corresponding  
 explanation is presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/002,600

DATE: 12/13/2001

TIME: 09:02:46

Input Set : A:\PA0042USSEQLIST.txt

Output Set: N:\CRF3\12132001\I002600.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5  
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6  
L:735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13  
L:811 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:823 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14  
L:960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:1042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:1359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1514 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1516 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1518 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1686 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1839 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:1900 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32  
L:1979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35  
L:2002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36  
L:2055 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:2201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:2646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2670 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47  
L:2700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/002,600

DATE: 12/13/2001

TIME: 09:02:46

Input Set : A:\PA0042USSEQLIST.txt

Output Set: N:\CRF3\12132001\I002600.raw

L:2719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2720 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:2834 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:2835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50